

Title (en)  
ELECTRICAL CONNECTOR WITH INTERNAL SWITCH

Title (de)  
ELEKTRISCHER VERBINDER MIT INTERNEM SCHALTER

Title (fr)  
CONNECTEUR ELECTRIQUE ET COMMUTATEUR INTERNE

Publication  
**EP 1018192 A4 20020403 (EN)**

Application  
**EP 98937213 A 19980728**

Priority  
• US 9815646 W 19980728  
• US 5383097 P 19970729  
• US 4700698 A 19980324

Abstract (en)  
[origin: WO9907039A1] An electrical connector (1) including a body (2) and a switch (10) disposed within a cavity (180) in the body. The body includes a bore (161) therein leading from an exterior surface of the body to the cavity. The bore is adapted to receive conductors (61, 162) connected to leads of the switch (10). The conductors connect the switch leads to an electric circuit for controlling application of an electrical signal to a center conductor (18) of the connector. Upon mating of the connector with a mating connector (64), a switch actuating portion (262) of the mating connector causes the switch (10) to change from an open state, wherein connection of the electrical signal to the center conductor (18) is interrupted, to a closed state, wherein the electrical signal is connected to the center conductors for allowing current flow to the mating connector.

IPC 1-7  
**H01R 13/703**; **H01R 17/12**

IPC 8 full level  
**H01H 27/00** (2006.01); **H01R 13/703** (2006.01); **H01R 24/46** (2011.01)

CPC (source: EP US)  
**H01R 13/7036** (2013.01 - EP US); **H01R 24/46** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)  
• [X] US 4044208 A 19770823 - MCDONALD THOMAS V, et al  
• [A] FR 1598095 A 19700629  
• [A] US 5562464 A 19961008 - LECOURTOIS EUGENE [FR]  
• [A] US 4370694 A 19830125 - HARGRAVE THOMAS A  
• See references of WO 9907039A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9907039 A1 19990211**; CN 1265779 A 20000906; EP 1018192 A1 20000712; EP 1018192 A4 20020403; JP 2001512285 A 20010821; US 5928021 A 19990727

DOCDB simple family (application)  
**US 9815646 W 19980728**; CN 98807742 A 19980728; EP 98937213 A 19980728; JP 2000505669 A 19980728; US 4700698 A 19980324